

In the Abstract:

ABSTRACT OF THE DISCLOSURE

A METHOD OF RESTORING PARTIALS OF A SOUND SIGNAL

~~The present invention relates to a~~ A method for restoring a partial between a peak P_i and a peak P_{i+N} whose frequency and phase are known. The method (1) comprises the steps of ~~of~~ estimating (2) the frequency $\hat{\omega}$ of each of the missing peaks P_{i+1} to P_{i+N-1} of this partial, ~~of~~ calculating (3) the phase $\hat{\phi}$ from peak to peak, from the phase of the peak P_i to that of the peak P_{i+N} , for all the frequencies $\hat{\omega}$ previously estimated, ~~of~~ calculating (4) the phase error $err\phi$ between the calculated phase $\hat{\phi}$ and the known phase at the same peak P_{i+N} , ~~of~~ and correcting (5) each calculated phase $\hat{\phi}$ by a value that is a function of the phase error $err\phi$.